IN THE CLAIMS:

The following listing of claims will replace all prior versions, and listings, of the claims in the application:

1. (Currently amended) A method of caching an active computing environment comprising:

encapsulating a plurality of interconnected processes into a compute capsule for representing said active computing environment;

encapsulating a system environment interconnected with said processes into said capsule;

obtaining said ~~one or more~~ processes in said capsule ~~active computing environment~~;

determining a state of said capsule ~~active computing environment~~; and

caching said processes and said state.

2. (Original) The method of Claim 1 wherein said step of caching further comprises:

relocating said active computing environment to a new location.

3. (Original) The method of Claim 2 wherein said step of relocating further comprises:

halting said active computing environment;

re-starting said active computing environment in said new location using said state.

4. (Original) The method of Claim 1 wherein said state comprises an inter-process communication (IPC) state.

5. (Original) The method of Claim 1 wherein said state comprises a virtual memory state.

6. (Original) The method of Claim 1 wherein said state comprises a device state.

7. (Original) The method of Claim 1 wherein said state comprises a file system state.

8. (Original) The method of Claim 1 wherein said state comprises a central processing unit state.

9. (Currently amended) A cache for an active computing environment comprising:

a compute capsule having a plurality of interconnected~~one or more~~ processes, said capsule representing said active computing environment;

a system environment encapsulated within said capsule, said system environment interconnected with said processes;

a state interface configured to determine a state of said ~~one or more~~ processes wherein said state and said ~~one or more~~ processes comprise said active computing environment; and

a cache configured to store said active computing environment.

10. (Original) The cache of Claim 9 wherein said cache resides in a new location.

11. (Original) The cache of Claim 10 further comprising:

a halter configured to halt said processes in an old location; and

a re-starter configured to re-start said processes in said new location.

12. (Original) The cache of Claim 9 wherein said state comprises an inter-process communication (IPC) state.

13. (Original) The cache of Claim 9 wherein said state comprises a virtual memory state.

14. (Original) The cache of Claim 9 wherein said state comprises a device state.

15. (Original) The cache of Claim 9 wherein said state comprises a file system state.

16. (Original) The cache of Claim 9 wherein said state comprises a central processing unit state.

17. (Currently amended) A computer program product comprising:

a computer usable medium having computer readable program code embodied therein configured to cache an active computing environment, said computer program product comprising:

computer readable code configured to cause a computer to encapsulate a plurality of interconnected processes into a compute capsule for representing said active computing environment;

computer readable code configured to cause a computer to encapsulate a system environment interconnected with said processes into said capsule;

computer readable code configured to cause a computer to obtain said ~~one or more~~ processes in said capsule ~~active computing environment~~;

computer readable code configured to cause a computer to determine a state of said capsule ~~active computing environment~~;

computer readable code configured to cause a computer to cache said capsule ~~active computing environment~~ and said processes.

18. (Original) The computer program product of Claim 17 wherein said computer readable code configured to cause a computer to cache further comprises:

computer readable code configured to cause a computer to relocate said active computing environment to a new location.

19. (Original) The computer program product of Claim 18 wherein said computer readable code configured to cause a computer to relocate further comprises:

computer readable code configured to cause a computer to halt said active computing environment;

computer readable code configured to cause a computer to re-start said active computing environment in said new location using said state.

20. (Original) The computer program product of Claim 17 wherein said state comprises an inter-process communication (IPC) state.

21. (Original) The computer program product of Claim 17 wherein said state comprises a virtual memory state.

22. (Original) The computer program product of Claim 17 wherein said state comprises a device state.

23. (Original) The computer program product of Claim 17 wherein said state comprises a file system state.

24. (Original) The computer program product of Claim 17 wherein said state comprises a central processing unit state.